MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

MAY 1931

TEMPERATURE

The month was generally rather cool over the greater part of the Dominion, although the normal May average was exceeded in some southern districts. North of latitude 55° there was a general deficiency of one or two degrees while in the Yukon and the lower Mackenzie valleys the deficiency was five degrees.

In southwestern British Columbia, part of central Saskatchewan, and parts of Quebec and the Atlantic Provinces, there was an excess of three to five degrees. In Manitoba and Ontario, considerable areas were a little cooler than normal while in Alberta the excess was about one degree.

Polar and northern maritime fronts were pronounced features of the general atmospheric circulation of the continent during the month, while tropical fronts were very weakly developed.

PRECIPITATION

Rainfall was in excess of the normal amount on the Pacific coast, northern interior British Columbia, part of the Mackenzie and Slave river valleys, eastern Manitoba, northern Ontario, a considerable part of western Quebec, and only locally in the Atlantic Provinces. There was a large deficiency in southern Alberta, Saskatchewan and extreme western Manitoba, moderate deficiencies in southern Ontario, eastern Quebec and the Atlantic Provinces.

BRITISH COLUMBIA

On the Pacific coast generally and on southern Vancouver Island rainfall was thirty to seventy-five per cent. in excess of normal, while in the northern interior there were large excesses locally. In parts of Vancouver Island, and very generally in the southern interior of the province there was a deficiency of twenty-five to eighty per cent.

On the northern coast temperatures were slightly below normal but in the interior were generally about two degrees above normal with an excess of three or four degrees in the extreme southwest.

Vegetation and early crops were good on Vancouver Island and in the lower Fraser valley, but there were some complaints of drought in the southern interior.

ALBERTA, SASKATCHEWAN and MANITOBA

Temperatures averaged a little above normal in Alberta and about normal or lower in Manitoba while in central Saskatchewan there was an excess of three to five degrees. In the Edmonton region precipitation was about normal and in eastern Manitoba somewhat in excess. In the Grande Prairie region there was a deficiency of about twenty per cent. In southern Alberta deficiencies ranged from ten to seventy-five per cent. and in Saskatchewan from fifty to ninety per cent. In western Manitoba deficiency reached ninety-five per cent. locally but in some places was nearly normal.

Condition of crops was given as good in the Grande Prairie region, excellent in the Edmonton region, fair to good in southern Alberta but poor in the central-east districts.

In Saskatchewan there were general complaints of poor germination and losses by soil-drifting but some districts reported conditions fair. In extreme western Manitoba condition was poor and badly in need of rain while middle and eastern Manitoba reported conditions generally fair to good.

ONTARIO

There were few warm days during the month but most days were nearly normal. Rainfall was forty per cent. in excess of normal from Port Arthur to Kenora, about five per cent. in excess east of Lake Superior and south to Lake Nipissing. In southwestern Ontario deficiencies ranged from five to thirty-five per cent. while in eastern Ontario there were both excess and deficiency.

Growth of orchards and field crops was generally excellent with some local complaints of dryness and cool weather in the extreme southwest.

QUEBEC

Temperatures were generally above normal in the St. Lawrence region while precipitation was generally well in excess of the normal amount. North of the St. Lawrence some districts reported more than twice the normal rainfall. Farmers were generally well satisfied with growth although a few complained of too much rain.

ATLANTIC PROVINCES

Temperatures averaged one or two degrees above normal for the most part with excess of about five degrees locally. In New Brunswick rainfall was locally about fifteen per cent. in excess of normal on the north shore of the Bay of Fundy, but there were deficiencies of less than ten per cent. in western New Brunswick and of more than thirty-five per cent. in northeastern New Brunswick.

Yarmouth and Sydney reported rainfall in excess of normal but generally in Nova Scotia and also in Prince Edward Island rainfall was ten to thirty-five per cent. deficient. Growth was generally earlier than usual with crops in good to excellent condition and well advanced.

HUDSON STRAIT

Temperatures were one or two degrees below normal in the Strait but two degrees above normal on Nottingham Island. On the west coast of Hudson Bay temperatures were two degrees below normal.

A. J. CONNOR.

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
										Kaslo	79°	31°	1.3	
Victoria	78°	43°	1.5	297	Courtenay			0.9		Greenwood	94°	25°	0.3	
Goldstream Lake			3.0		Vancouver	77°	39°	1.2	275	Cranbrook	85°	23°	0.8	
Metchosin	80°	38°	1.4		New Westminster	83°	39°	2.1		Fernie	83°	25°	2.1	
Sooke	80°	36°	2.0		White Rock	79°	39°	2.1		Golden	87°	23°	0.4	
Port Alberni	89°	22°	1.9		Salmon Arm	86°	32°	0.8	224	Glacier	78°	27°	1.6	
Shawnigan Lake	84°	36°	4.0		Vernon	87°	31°	0.8	247	Kamloops	85°	39°	0.6	223
Duncan	85°	36°	1.5		Penticton	90°	32°	0.8		Prince George	78°	23°	2.1	
Nanaimo	81°	42°	0.9	273	Armstrong	86°	28°	1.0		Prince Rupert	71°	32°	8.4	

ALBERTA, SASKATCHEWAN AND MANITOBA

STATION	H	L	P	I	STATION	H	L	P	I
Beaver Lodge	78°	26°	1.3	237	Waseca	83°	21°	0.6	
Edmonton	81°	28°	1.8	264	Muenster	94°	12°	0.5	
Calgary	82°	24°	0.6	211	Le Pas	83°	18°	1.0	165
Medicine Hat	90°	28°	0.7	226	Minnedosa	91°	15°	0.1	
Scott	89°	21°	0.1	260	Winnipeg	90°	16°	2.4	246
Battleford	89°	25°	0.1		Dauphin	88°	20°	0.8	
Prince Albert	89°	13°	0.6		Brandon	93°	15°	0.5	264
Swift Current	94°	26°	0.7	291	Treesbank	94°	16°	1.2	
Moose Jaw	96°	17°	0.5	304	Birtle	93°	14°	0.6	
Qu'Appelle	95°	16°	0.4	313	Treherne	91°	19°	0.9	
Carlyle	94°	17°	0.3		Morris	85°	25°	1.1	
Dundurn	93°	19°	1.2		Morden	89°	20°	1.3	246
Francis	93°	16°	0.1		Great Falls	85°	25°	0.3	
Chaplin	96°	18°	0.7		Oak Bank	87°	21°	2.2	
Assiniboia	94°	14°	0.2		Pinawa	82°	21°	1.4	
Caron	98°	25°	0.5		Russell	94°	17°	0.3	
Gravelbourg	95°	18°	0.2		Sprague	81°	23°	2.8	
Rosetown	97°	21°	0.4		Pierson	94°	14°	0.1	
Whitewood	94°	14°	0.4		Portage la Prairie	91°	19°	0.8	
Cadillac	94°	21°	0.3		Virden	92°	14°	0.8	
Aneroid	94°	18°	0.3		Graysville	89°	21°	2.0	
Quill Lake	89°	15°	0.3		Emerson	90°	18°	1.1	
Grenfell	97°	12°	0.3						

ONTARIO

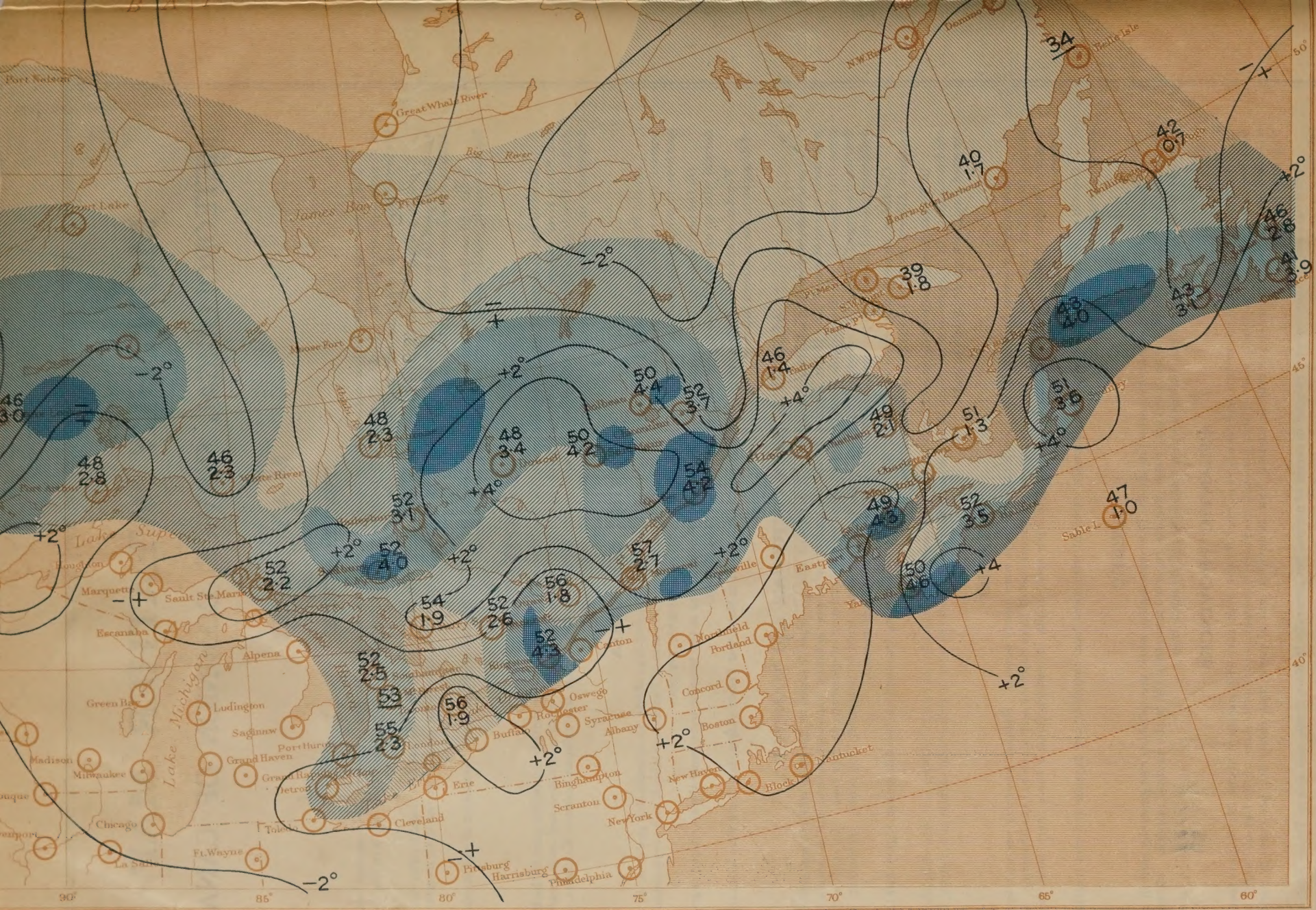
Atikokan	91°	20°	3.5		Barrie	84°	26°	1.7	
Mine Centre	90°	24°	2.9		Walkerton	89°	33°	2.4	
Ignace	87°	21°	3.2		Mount Forest	85°	27°		
Kenora	81°	23°	3.8		Brucefield	85°	30°	2.2	
Sioux Lookout	81°	25°	3.0		Lucknow	84°	24°	0.8	
Port Arthur	90°	29°	2.8		Southampton			2.5	
Quorn	88°	21°	5.0		Stratford	85°	28°	2.5	
White River	78°	18°	2.3		London	87°	27°	2.3	
Schreiber	67°	23°	2.0		Woodstock	82°	27°	1.9	231
Blind River	73°	30°	2.5		Paris	87°	26°	2.0	
Biscotasing	85°	23°	3.0		Alton	85°	25°	1.8	
Chapleau	86°	25°	2.2		Harrow	86°	32°	0.8	259
Ruel	90°	20°	3.6		Simcoe	86°	24°	1.8	
Cochrane	89°	22°	2.3		Toronto	84°	30°	1.9	228
Haileybury	87°	23°	3.1		Beeton	84°	24°	1.8	
New Liskeard	89°	23°	2.6	171	Bloomfield	85°	20°	3.6	
Heaslip	87°	20°	2.6		Queensboro'	84°	26°	3.0	
Kapuskasing	88°	22°	1.7	196	Peterboro'	85°	25°	2.8	
Algonquin Park	86°	27°	2.4		Kingston	78°	30°	4.3	224
Madawaska	89°	13°	2.2		Brockville	86°	29°	3.9	
Montreal River	88°	17°	3.0		Morrisburg	83°	23°	3.0	
Crystal Falls	82°	29°	4.0		Ottawa	89°	27°	1.8	
Providence Bay	74°	28°	3.2		Ottawa (Exp.Farm)	84°	22°	2.5	
Parry Sound	81°	30°	1.9		Renfrew	86°	26°	4.0	
Scotia Junction	83°	27°	2.6		Pembroke	89°	23°	2.5	
Walker's Point	83°	22°	2.4	245	Clontarf	88°	23°	2.1	
Beatrice	84°	22°	1.6						

QUEBEC

STATION	H	L	P	I
Cedars	85°	35°	2.4	
Macdonald College	87°	29°	2.7	
Montréal	87°	33°	2.7	194
Farnham	87°	27°	3.6	205
Brome	85°	24°	3.6	
Nicolet	87°	32°	4.1	
Sorel	87°	30°	3.2	
Lennoxville	85°	25°	4.4	216
Sherbrooke	89°	29°	3.1	210
Drummondville	87°	30°	4.2	
Beauceville	85°	25°	3.5	
Lake Mégantic	80°	30°	3.4	
Cap Rouge	82°	29°	3.3	186
Québec	82°	29°	4.2	180
St. Joachim	78°	24°	3.9	
Armagh	84°	17°	1.6	
Seven Falls	80°	21°	4.7	
Ste. Anne de la Pocatiére	80°	30°	2.9	167
La Malbaie	84°	26°	3.1	
Chicoutimi	79°	26°	3.7	
Roberval	87°	27°	3.8	
Albanel	81°	30°	3.5	181
Manouan	85°	22°	2.4	
Lake Kempt	78°	18°	2.3	
La Tuque	89°	24°	4.8	
Chute aux Galets	79°	10°	3.9	
Chute à Murdock	89°	28°	4.5	
Kenogami	89°	23°	4.5	
La Loutre Rapids	86°	22°	3.8	
Joliette	83°	28°	3.0	
Huberdeau	83°	25°	3.4	
Mont Laurier	83°	32°	2.3	
St. Lin des Laurentides	85°	22°	2.9	
Maniwaki	85°	22°	3.4	
St. Gabriel de Brandon	84°	33°	3.2	
Abitibi	85°	19°	4.5	
La Ferme	81°	24°	2.7	170
Ville Marie	82°	26°	2.4	
Sanmaur	87°	17°	4.2	

ATLANTIC PROVINCES

Saint John	75°	32°	4.3	184
Aroostook	90°	25°	2.7	
Bathurst	80°	20°	1.5	
Chatham	79°	26°	2.1	
Chipman	89°	26°	3.1	
Fredericton	87°	25°	2.8	201
Fredericton (Experimental Farm)	87°	25°	2.4	202
Gagetown	89°	29°	2.2	
Grand Falls	86°	25°	2.3	
Harvey	88°	25°	3.0	
McAdam	89°	28°	2.7	
Rexton	77°	26°	1.8	
Sussex	86°	26°	2.0	
Woodstock	90°	26°	2.6	
Annapolis Royal	82°	29°	1.1	207
Digby	78°	29°	1.6	
Kentville	85°	30°	2.6	166
Liverpool	88°	26°	4.3	
Nappan	82°	29°	1.5	186
Sydney	83°	30°	3.6	
Truro	77°	26°	2.6	
Upper Stewiacke	85°	24°	1.9	
Wolfville	82°	30°	1.2	207
Yarmouth	71°	35°	4.6	
Charlottetown	76°	33°	1.1	
Charlottetown (Experimental Farm)	79°	30°	1.3	214


Great Whale River
Port Nelson
Moosonee
Timmins
Sault Ste Marie
Marquette
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Detroit
Chicago
Toledo
Cleveland
Erie
Ft. Wayne
La Salle
Buffalo
Rochester
Oswego
Syracuse
Albany
Binghampton
Scranton
New York
Pittsburg
Harrisburg
Philadelphia
Canton
Youngstown
Concord
Boston
Portland
Nantucket
New Haven
Block Island
Lake Michigan
Lake Superior
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°

CE, DOMINION OF CANADA.
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Y, 1931
e from normal mean temperature; also total precipitation
e month.
Ellesmere Island
Angmagssalik
Godhaven
Godthaab
Julianehaab
Pangnirtung
Ponds Inlet
Nottingham I.
Cape Wolstenholme
Wakeham
Resolution
Fort Burwell
Fort Chimo
90°
85°
80°
75°
70°
65°
60°
55°
50°
45°
40°
35°
60°
55°
-2°
+/-
-/+
-2°
27
19
0·6
25
0·5
29
21

REFERENCES.
The upper Figures give the mean Temperature.
The lower Figures give the precipitation in inches.
The Black lines shew the difference from the normal mean Temperature.
The shading shews approximately the precipitation of the month.
Less than 1 inch
Less than 2 inches
Less than 3 inches
Less than 4 inches
More than 4 inches
+4°
+2°
+2°
+4°
+4°
+2°
+2°
+4°
+4°
+2°
+2°
+2

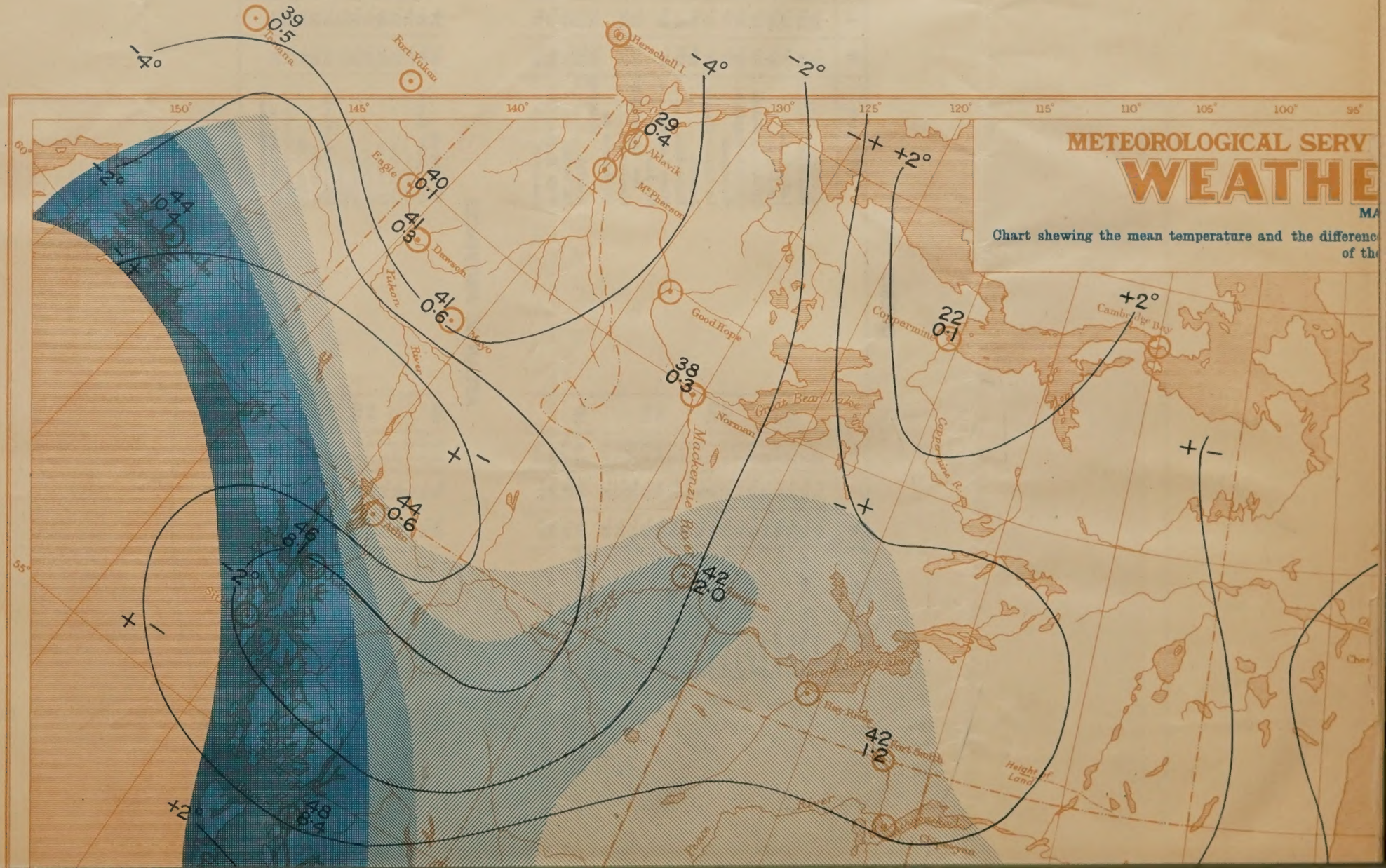
METEOROLOGICAL SERV
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Chart shewing the mean temperature and the differenc
of th
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°
Herschell I.
Fort Yukon
Eagle
Aklavik
McPherson
Dawson
Yukon
River
Mayo
Good Hope
Norman
Mackenzie
River
Arctic
Coppermine
Cambridge Bay
Great Bear Lake
Great Slave Lake
Fort Smith
Height of Land
39
0·5
29
0·4
40
0·1
41
0·3
41
0·6
38
0·3
22
0·1
44
0·6
46
6·1
42
2·0
42
1·2
48
6·7
44
10·4
−4°
−2°
+2°
−
+